

IWG-3 View of RCS PV on AI 1.39
TT&C Spectrum Requirements Below 17 GHz for FSS Systems with Service Links Above 17 GHz

Discussion

The IWG-3 preliminary view on WRC-03 Agenda Item 1.39 was developed with due consideration of the preliminary view made publicly available by the RCS in NTIA document 1317. It is significant to note the industry views this agenda item as focusing on the spectrum requirements for such TT&C operations while considering the reliability and availability requirements of such mission critical operations. The RCS PV on this agenda item broadens this investigation and considers part of the issue under this agenda item as investigating use of these lower bands "...as a means of increasing the aggregate bandwidth available for service" (see RCS PV Issue statement). This then leads the RCS to also broaden the area of ITU-R study to include consideration of "technical studies showing sharing is feasible with current users of the FSS bands below 17 GHz."

In the view of IWG-3, there is no requirement for broadening the technical study to be performed by the ITU. It is expected that the technical characteristics of TT&C systems for FSS systems operating service links above 17 GHz and TT&C below 17 GHz would be either identical, or very similar, to the technical characteristics of TT&C systems for FSS systems operating service links below 17 GHz. Given that there are numerous FSS systems operating service and TT&C links below 17 GHz today, sharing between these service links and TT&C links is clearly feasible both theoretically and in practice. Therefore, there is nothing for the ITU to study in regards to sharing feasibility under this agenda item.

As a consequence of the above, IWG-3 reiterates its support for its previously approved Preliminary View on this agenda item and suggests that its PV be used as the basis for U.S. discussions on this issue internationally.